

MR20FH

Ordering method

Single carriage model

Model	Cable carrier take out direction	Optional cable carrier for users	Stroke	Cable length	Controller	Driver	Usable for CE	Network	I/O connector specification
MR20FH - RH - S - 2000 - 3L - SRCP - 20A - E - CC - CN1	-RH : Horizontal, right -LH : Horizontal, left -RW : Wall hanging, right -LW : Wall hanging, left	-No entry : None -S : Small size -M : Large size	100 to 2000 (100mm pitch)	-3L : 3.5m (Standard) -5L : 5m -10L : 10m	-SRCP -RDP (see page 22)		-No entry : Standard -E : CE specification	-No entry : None -CC : CC-Link -DN : DeviceNet -PB : Profibus -EN : Ethernet	-CN1 : I/O flat cable 1m (Standard) -CN2 : Twisted-pair cable 2m

Double carriage model

Model	Installation method	Optional cable carrier for users	Stroke	Cable length	Controller	Driver	Usable for CE	Network	I/O connector specification
MR20FHD - H - S - 1700 - 3L - SRCP - 20A - E - CC - CN1	-H : Horizontal installation -W : Wall hanging installation	-No entry : None -S : Small size -M : Large size	100 to 1700 (100mm pitch)	-3L : 3.5m (Standard) -5L : 5m -10L : 10m	-SRCP -RCX141 -RDP (see page 22)		-No entry : Standard -E : CE specification	-No entry : None -CC : CC-Link -DN : DeviceNet -PB : Profibus -EN : Ethernet	-CN1 : I/O flat cable 1m (Standard) -CN2 : Twisted-pair cable 2m

Note : 2 units are required when using SRCP or RDP based on the double carrier specifications.

Basic specification

Model	MR20FH
Repeated positioning accuracy	+/-5 μ m or less
Maximum dimensions of cross section of main unit	W145 x H120mm (except the cable carrier section)
Shaft bearing method	2 guide rail, 4 blocks (with retainer)
Driving method	Shaft motor
Shaft diameter	ϕ 20
Scale	Magnetic type: resolution of 1 μ m
Rated thrusting force	53N
Maximum carrying weight	17kg
Maximum speed	2500mm/sec (Note 1)
Maximum stroke	2000mm
Operating temperature	10°C to 40°C
Controller	SRCP-20A
Robot driver	RDP-20

Note 1 : Depending on the operation conditions, it may not be possible to use the unit at the maximum speed.

Static load moment

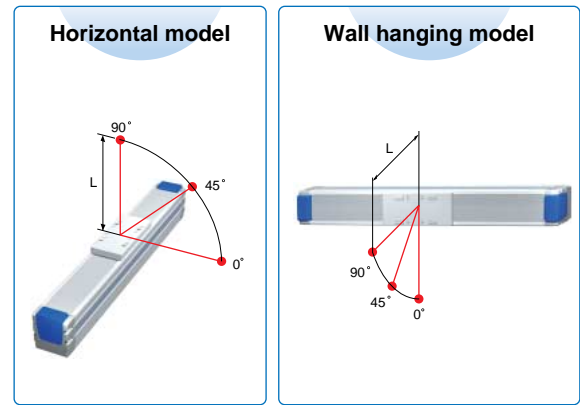
Allowable static load moment (N · m)	MY : 335	MP : 390	MR : 274
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MY : Yawing direction MP : Pitching direction MR : Rolling direction

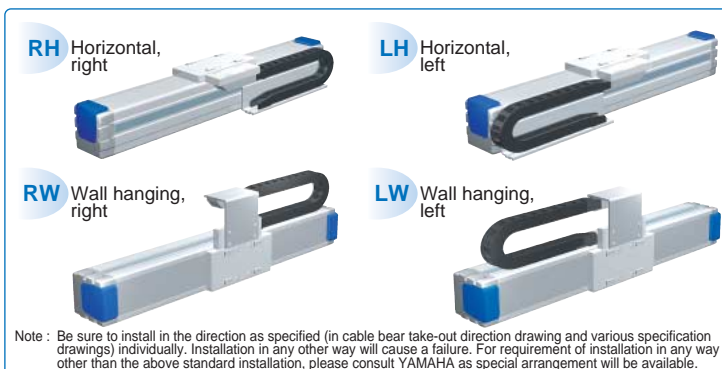
Allowable overhang (Note 2)

Load	Angle	Horizontal model (mm)			Wall hanging model (mm)		
		0°	45°	90°	0°	45°	90°
5kg	Horizontal	1400	1697	2000	2000	1457	1238
	Vertical	760	933	1500	1700	750	588
	Diagonal	560	707	1120	1100	495	368
10kg	Horizontal	—	—	—	—	—	—
	Vertical	—	—	—	—	—	—
	Diagonal	—	—	—	—	—	—
15kg	Horizontal	—	—	—	—	—	—
	Vertical	—	—	—	—	—	—
	Diagonal	—	—	—	—	—	—
20kg	Horizontal	—	—	—	—	—	—
	Vertical	—	—	—	—	—	—
	Diagonal	—	—	—	—	—	—

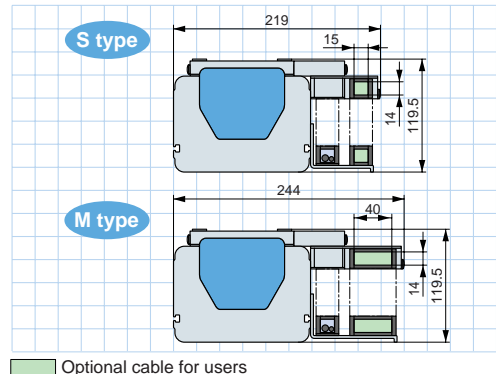
Note 2 : Distance from the center of the top face of the carriage to the gravity center of the item being carried.



Cable carrier take out direction



Optional cable carrier for users



MR25F

Ordering method

Single carriage model

Model	Cable carrier take out direction	Optional cable carrier for users	Stroke	Cable length	Controller	Driver	Usable for CE	Network	I/O connector specification
MR25F - RH - S - 2000 - 3L - SRCP - 10A - E - CC - CN1	-RH: Horizontal, right -LH: Horizontal, left -RW: Wall hanging, right -LW: Wall hanging, left	-No entry: None -S: Small size -M: Large size	100 to 2000 (100mm pitch)	-3L: 3.5m (Standard) -5L: 5m -10L: 10m	-SRCP -RDP (see page 22)		-No entry: Standard -E: CE specification	-No entry: None -CC: CC-Link -DN: DeviceNet -PB: Profibus -EN: Ethernet	-CN1: I/O flat cable 1m (Standard) -CN2: Twisted-pair cable 2m

Double carriage model

Model	Installation method	Optional cable carrier for users	Stroke	Cable length	Controller	Driver	Usable for CE	Network	I/O connector specification
MR25FD - H - S - 1700 - 3L - SRCP - 10A - E - CC - CN1	-H: Horizontal installation -W: Wall hanging installation	-No entry: None -S: Small size -M: Large size	100 to 1700 (100mm pitch)	-3L: 3.5m (Standard) -5L: 5m -10L: 10m	-SRCP -RCX141 -RDP (see page 22)		-No entry: Standard -E: CE specification	-No entry: None -CC: CC-Link -DN: DeviceNet -PB: Profibus -EN: Ethernet	-CN1: I/O flat cable 1m (Standard) -CN2: Twisted-pair cable 2m

Note : 2 units are required when using SRCP or RDP based on the double carrier specifications.

Basic specification

Model	MR25F
Repeated positioning accuracy	+/-5 μ m or less
Maximum dimensions of cross section of main unit	W145 x H120mm (except the cable carrier section)
Shaft bearing method	2 guide rail, 4 blocks (with retainer)
Driving method	Shaft motor
Shaft diameter	ϕ 25
Scale	Magnetic type: resolution of 1 μ m
Rated thrusting force	64N
Maximum carrying weight	20kg
Maximum speed	2500mm/sec (Note 1)
Maximum stroke	2000mm
Operating temperature	10°C to 40°C
Controller	SRCP-10A
Robot driver	RDP-10-RBR1

Note 1 : Depending on the operation conditions, it may not be possible to use the unit at the maximum speed.

Static load moment

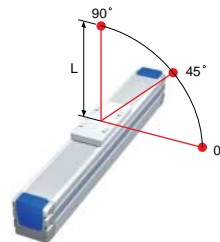
Allowable static load moment (N · m)	MY : 335	MP : 390	MR : 274
	MY : Yawing direction	MP : Pitching direction	MR : Rolling direction

Allowable overhang (Note 2)

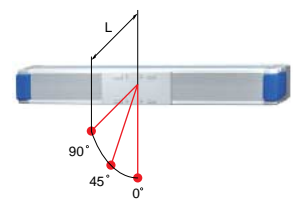
Load	Angle	0°	45°	90°
		Horizontal model (mm)		
5kg		—	—	—
10kg		550	594	1100
15kg		500	566	1000
20kg		410	467	820
5kg		—	—	—
10kg		1200	438	393
15kg		1000	382	328
20kg		700	283	228

Note 2 : Distance from the center of the top face of the carriage to the gravity center of the item being carried.

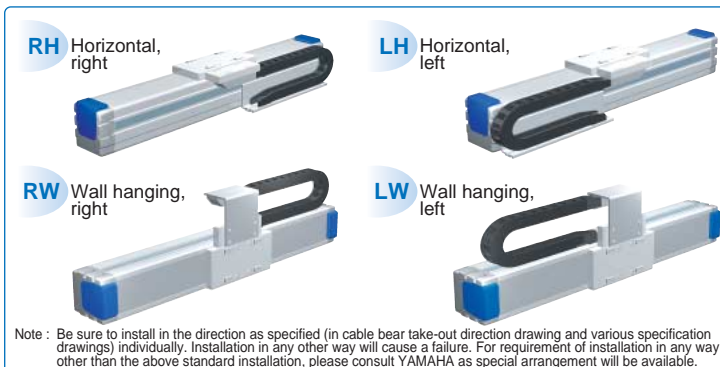
Horizontal model



Wall hanging model



Cable carrier take out direction



Optional cable carrier for users

